

Form PTO-1449

# INFORMATION DISCLOSURE IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)

Application Number

08/835,419

Applicant

Fraas et al..

Filing Date

April 9, 1997

Group Art Unit

1313

## U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
GMM	4 7 2 2 7 6 8	2/1988	Schirmacher et al.	—	—	
GMM	4 7 8 4 6 0 3	11/1988	Robak, Jr. et al.	—	—	
GMM	5 5 4 7 5 4 9	8/1996	Fraas	—	—	
GMM	5 4 9 6 4 6 5	3/1996	Fraas	—	—	

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
					YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

GMM	1	Falkenberry et al., "Coal Pyrolysis - A DOE Perspective," PROCEEDINGS OF THE EPRI CONFERENCE, (U.S.A. 1981).
GMM	2	Fraas, "Engineering Evaluation of Energy Systems," McGraw-Hill Book Co. pp. 121-125, (U.S.A.).
GMM	3	Carpenter, "Reaction Dynamics in Organic Chemistry," AMERICAN SCIENTIST, Vol. 85, pp. 138-149, March/April 1997 (U.S.A.).

EXAMINER

T. M. Mahon

DATE CONSIDERED

1/12/98

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



Form PTO-1449  
**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**  
(Use several sheets if necessary)

Docket Number (Optional)		Application Number 08/ 835,419
Applicant Fraas et al.		
Filing Date April 9, 1997	Group Art Unit 1312	

**U. S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILED DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

GMM	4	Encyclopedia Britannica, "Coke, Coking and High Temperature ...", Vol. 5, p. 982, 1950 (U.S.A.).
GMM	5	Lichty, "Internal Combustion Engines", McGraw-Hill Book Co., pp. 40-47, (U.S.A.).
GMM	6	Tsonopoulos et al., "Thermodynamic and Transport Properties ...", John Wiley & Sons, Chapter 10 (U.S.A.).

EXAMINER  T. Mc Mahon	DATE CONSIDERED  2/12/98
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INFORMATION DISCLOSURE CITATION  
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1312

U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

GMM	7	Doss, "Physical Constants of the Principal Hydrocarbons", The Texas Co., pp. 75-89 (U.S.A.).
GMM	8	Squires, "Reaction Paths in Donor ...", APPLIED ENERGY, Vol. 4, 1978.
GMM	9	Howard et.al., "Coal Devolatilization for Reactor...", M.I.T., April 1981.

EXAMINER

T. McMahon

DATE CONSIDERED

1/12/98

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Sheet 5 of 5

**Device Number (Optional)**

Appropriation Number  
08/835,419

**Applicant** Fraas et al.

**Filing Date** April 9, 1997

Group Art Unit  
1322

## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
CMA	13	Graves, et al., "Diesel Fuels from Minimally Processed ...", Oak Ridge National Laboratory, DOE Contract DE-AC05-84OR21400 (U.S.A.).

**EXAMINER**

T. M. Mahon

**DATE CONSIDERED**

1/12/98

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